

# WaveTester / Laser OWL Test Kit

SKU: KIT-WT-L2xx (see connector options below)

## Singlemode Fiber Certification Test Kit

### Overview

Many fiber optic network bids and Requests For Quote (RFQ) are citing cabling standards to specify the set of guidelines (such as fiber length) that the network installer must follow during the network installation. Adherence to such standards is meant to ensure the quality of the installation and guarantee that the network will perform as it was designed.

The process of testing a network installation to ensure its adherence to specified standards is called certification, and often requires hard-copy documentation as proof of adherence to standards.

The **WaveTester / Laser OWL Test Kit** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in singlemode networks at 1310 and 1550nm.

The **WaveTester optical power meter** is multimode and singlemode ready, and can store reference values for all wavelengths used for optical loss measurements. Up to 200 fiber runs may be stored, and serially downloaded to a PC for report generation using our OWL Reporter software.

The **Laser OWL** is a singlemode light source. Its output is temperature-stabilized for accurate measurements. Two connector options are available (ST and SC).

### Kit Contents

- Power Meter:** WaveTester
- Light Source:** Laser OWL
- Accessories:** OWL Reporter software  
Product manuals  
Download cable  
Battery chargers  
NIST certificate  
Carrying case  
Protective rubber boots

### Features

- Certification of singlemode fiber links at 1310 and 1550nm
- Data storage for up to 200 data points
- USB interface for continuous data logging, report printing, or data downloading
- OWL Reporter software for printing formatted fiber certification reports
- Measurement modes include absolute (for optical power) or relative (for optical loss)
- Selectively view, delete or resample data points

### Supported Cabling Standards:

EIA/TIA 568	ISO/IEC 11801	10-Gigabit Ethernet
1000Base-SX	1000Base-LX	100Base-FX
10Base-FB	10Base-FL	FDDI
ATM-155	ATM-622	Fibre Channel
Token Ring		



ASSEMBLED IN USA  
N.I.S.T. Traceable

Product manuals come in PDF format on CD. Adobe Acrobat Reader™ is required to view these documents.

Patch cables are available for an additional charge. Contact OWL for more information.



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## WAVETESTER OPTICAL POWER METER (WT-1)

KEY SPECIFICATIONS	
Detector Type	InGaAs
Calibrated Wavelengths <sup>1</sup>	<b>850, 1300, 1310, 1490, 1550</b>
Measurement Range	+5 to -60 dBm
Accuracy	±0.20 dB
Display Resolution	0.01 dB
Battery Life	Up to 1000 hours (Re-chargeable Lithium Polymer)
Connector Type	2.5mm/1.25mm universal
Measurement Units	dBm, dB, mW, µW
Data Storage	up to 200 readings
Display Type	Backlit LCD
Auto-shutdown	Yes
Operating Temperature	-10 to 55° C
Storage Temperature	-30 to 70° C
Dimensions	2.75 x 4.94 x 1.28 inches (69.85 x 125.48 x 32.51 mm)
Weight	10 oz. (284g)

1: Bold wavelengths are NIST Traceable

Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

## LASER OWL SINGLEMODE LASER SOURCE (LO2xx)

KEY SPECIFICATIONS	
Fiber Type	Singlemode
Launch Method	FP Laser
Center Wavelength	1310nm ± 20nm; 1550nm ± 30nm
Spectral Width	1310nm: 2nm; 1550nm: 2nm
Output Power	-10 dBm
Initial Accuracy	0.1 dB
Battery Life	Up to 120 hours (Re-chargeable Lithium Polymer)
Operating Temperature	0 to 55° C
Storage Temperature	0 to 70° C
Dimensions	2.75 x 4.94 x 1.28 inches (69.85 x 125.48 x 32.51 mm)
Weight	10 oz. (284g)

Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

Other connector styles may be available. Call 262-473-0643 for more information.

